Amendments to the Specification

At specification page 1, before the paragraph beginning with "[t]his is a nationalization," insert the following heading:

CROSS-REFERENCE TO RELATED APPLICATION

At specification page 1, before the paragraph beginning with "[t]he invention relates to," insert the following headings:

BACKGROUND OF THE INVENTION

1. Field of Invention

At specification page 1, replace the paragraph beginning with "[t]he invention relates to" with the following replacement paragraph:

The invention relates to blood treatment equipment comprising a blood treatment device which is part of an extracorporeal blood circulatory system ~~according to the preamble of claim 1~~. The equipment includes actuators, a control unit for controlling the actuators, and a display and input unit including a touch screen connected to the control unit.

At specification page 1, before the paragraph beginning with "[v]arious devices are known," insert the following heading:

2. Description of the Prior Art

At specification page 2, before the paragraph beginning with "[s]tarting from the known haemodialysis equipment," insert the following heading:

SUMMARY OF THE INVENTION

At specification page 2, replace the paragraph beginning with "[a]ccording to the teaching of the invention" with the following replacement paragraph:

According to the teaching of the invention, this object is solved by a blood treatment device having the features ~~of claim 1~~ described herein. ~~Advantageous~~ Various advantageous embodiments ~~are the subject matter of the dependent claims~~ of the invention are also described herein.

At specification page 3, before the paragraph beginning with "[f]urther details and advantages of the invention," insert the following heading:

BRIEF DESCRIPTION OF THE DRAWINGS

At specification page 3, before the paragraph beginning with "[t]he structure of a haemodialysis device," insert the following heading and paragraph:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Further scope of applicability of the present invention will become apparent from the detailed description given

hereinafter. However, it should be understood that the detailed description and specific examples, while indicating preferred embodiments of the invention, are given by way of illustration only, since various changes and modifications within the spirit and scope of the invention will become apparent to those skilled in the art from this detailed description.

At specification page 4, replace the paragraph beginning with "[i]n the blood supply line 5" with the following replacement paragraph:

In the blood supply line 5 blood is transferred by a blood pump 6 configured as a roller pump. The blood leaves the first chamber 3 of the haemodialyser 1 via the blood return line 7 to be returned back to the patient. Provided on the blood return line 7 is a venous shut-off clamp 8 with which the return of the blood can be interrupted especially in emergencies. Such emergencies can occur, for example, if air is detected in the blood return line 7 by an air and blood detector 9. The air and blood detector 9 also comprises means for identifying the presence of blood in the blood return line 7.

At specification page 6, replace the paragraph beginning with "[a]rranged on the touch screen 33" with the following replacement paragraph:

Arranged on the touch screen 33 above the mode means 40 is a ~~region~~ display area 50 on which various views are to be seen according to the operating mode. In the edge regions 51, 52 further input and/or output means (for example, means 53 for the blood pump 6) are provided to make it possible to make specific data inputs and display desired information.

At specification page 8, replace the paragraph beginning with "[t]he view in region 50" with the following replacement paragraph:

The view in ~~region~~ display area 50 of the touch screen 33 now shows in the data strip 55 a view of parameters such as are representative for the progress of the flushing of the blood hose system. During the flushing, for example, a bag containing physiological saline solution is connected to the blood supply line 5. The blood return line 7 leads to an outflow. At least 4 litres of sodium chloride solution are available for satisfactory flushing. By actuating the blood pump activating means 56 the blood pump is switched on with a previously set delivery flow. The data in the data strip 55 then show the respective current values. If a sufficient quantity of flushing fluid has been conveyed by the extracorporeal circulatory system, the blood pump 6 is automatically stopped by the control unit 30 on reaching the pre-determined flushing target volume. It is also possible to end the

flushing manually by the blood pump activating means 56 should a smaller flushing volume be considered as sufficient.

At specification page 8, replace the paragraph beginning with "[t]he operator now connects" with the following replacement paragraph:

The operator now connects the blood supply line 5 and the blood return line 7 to a blood vessel in the patient. The blood pump 6 must then be set in operation again using the blood pump activating means 56. As soon as blood is identified in the air and blood detector 9, the blood treatment can begin. For this purpose the air and blood detector 9 has an optical detector which examines the colour of a medium in the blood return line 7 by a suitable choice of wavelength using the transmitted light method. The corresponding signal is received by the control unit 30 which thereby selects the next temporally successive operating mode and communicates this to the display and input unit 32 for the corresponding display. The view shown in Figure 4 is then displayed on the touch screen 33.

At specification page 11, after the last line, insert the following paragraph:

The invention being thus described, it will be apparent that the same may be varied in many ways. Such variations are not to be regarded as a departure from the spirit and scope of the invention, and all such modifications as would be recognized by one

skilled in the art are intended to be included within the scope of the following claims.

At specification page 12 (i.e., the first claims page), replace the heading with the following replacement heading:

~~CLAIMS~~ WHAT IS CLAIMED IS: